

What we claim is:

- 1) Dietary supplement mixture having neuroprotective activity which comprises a peptide formulation, comprising at least one of the two peptides defined by sequence 1: NMVPFPR or sequence 2: ASAFAQGIGSTHWVYDGVGNS.
- 2) Dietary supplement mixture according to claim 1 further comprising additional amino acids.
- 3) Dietary supplement mixture according to claim 1 comprising further peptides with a molecular weight less than 10 kDa.
- 4) Dietary supplement mixture according to claim 1 comprising trace elements and/or mineral substances and/or vitamins and/or caffeine and/or taurine and/or fatty acids and/or phospholipids, and/or phosphatidylserines and/or plant extracts.
- 5) Dietary supplement mixture according to claim 1 further comprising acceptable additives and/or excipients and/or fillers and/or colouring substances and/or flavouring substances.
- 6) Oral dosage form comprising a dietary supplement mixture according to one of claims 1 – 5 and acceptable additives and/or excipients and/or fillers and/or colouring substances and/or flavouring substances and/or solvents.
- 7) Oral dosage form comprising a dietary supplement mixture according to claim 1, comprising 2 – 20 wt% peptides.
- 8) Oral dosage form according to claim 7 further comprising 10 – 30 wt% amino acids.

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- 9) Use of the dietary supplement mixture according to one of the claims 1 - 8, for preventing, ameliorating or improving age-associated memory impairment and/or age-associated cognitive decline and/or benign senescent forgetfulness.
- 10) Use of the dietary supplement mixture according to one of the claims 1 - 5, to protect neurons against metabolic deficits and stress associated with aging processes.
- 11) Use of the dietary supplement mixture according to one of the claims 1 - 5, to prevent, counteract and/or ameliorate the consequences of age-related neuronal lesions due to hypoxia or ischaemia, the consequences of age-related neuronal lesions due to intracellular calcium overload, the consequences of age-related neuronal lesions induced by L-glutamate and excitotoxic events and the consequences of age-related neuronal lesions due to oxidative stress.
- 12) Use of the dietary supplement mixture according to one of the claims 1 - 5, to prevent, counteract and/or ameliorate the consequences of age-associated neurodegeneration, to prevent neuronal cell death due to cell stress, neurodegenerative events and intoxication, to maintain and preserve normal neuronal cytoarchitecture during aging processes, to support and/or improve synaptic function and synaptic density, to prevent, counteract, and/or ameliorate the consequences of the age-related decline of synaptic plasticity and of synaptic density.
- 13) Use of the dietary supplement mixture according to one of the claims 1 - 5, to activate cerebral mechanisms related to attention and memory performance.

- 14) Use of the dietary supplement mixture according to one of the claims 1 - 5, to prevent, counteract, and/or improve cognitive function decline, to prevent, counteract, and/or improve memory function decline, to prevent, counteract, and/or improve attention deficits, to prevent, counteract, and/or improve a decrease of vigilance associated with aging processes and to support, maintain and or improve long term memory and procedural memory as well as learning performance, attention and vigilance.
- 15) Use of the dietary supplement mixture according to one of the claims 1 - 5, to preserve/support healthy mental function during the aging processes.